

MEMORANDUM

DATE: October 30, 1992

TO: WWES Site Personnel

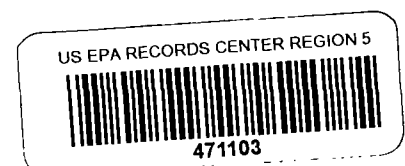
FROM: Rick Trippel

RE: PROJECT 04011.02 - Miscellaneous tasks to be completed as time permits and miscellaneous notes.

The following tasks should be completed when possible. They are listed from most important to least, all things being equal.

- ✓ 1. Collect samples for GC scan from MW-1-SB, MW-2-SB, and MW-3-SBA while drilling water is being purged from second cored interval at MW-6 (65-75').
- ② 2. Survey TOC and ground level elevations at MW-6-DB, LF-1 and MW-1-SG.
3. Measure water levels in all monitoring wells and at the 2 staff gauges within an 8 hour period after MW-4-SB, MW-5-SB, and MW-6-DB have been completed
- ✓ 4. Install "caution" ribbon around LF-1 to keep people away from drill cuttings.
- ✓ 5. Make sure locks on all wells are keyed alike.
6. Clean up trash and organize equipment in site support area (including labeling of wastewater and clean water tanks).
- ⑦ 7. Tie "caution" ribbon on telephone drop-line and mark path of phone line with laths and "caution" ribbon.
- ⑧ 8. Rope off small foundation near large tree between west entrance gate and Prater's residence with lath and "caution" ribbon.
- ⑨ 9. Survey subsidence monument elevations.
10. We might want to collect a sample for CEC measurement from below water table will drilling for installation of MW-2-SG.

MISCELLANEOUS NOTES



1. Please continue to track and record driller's activities in fieldbook and on WWES Daily Progress Sheets.

2. Submit WWES Daily Progress Worksheet and completed boring logs to Carl Malsom at the end of each week or the beginning of the following week.

3. Keep me updated as to what tasks have been completed, general scheduling of drillers and WWES personnel.

4. To facilitate the use of a packer above the screen of the temporary well set in the bedrock corehole, the procedure for collection of ground water in the bedrock aquifer at MW-6 has been modified as follows:

a. Core a 10 foot interval as described in the project plans.

b. Upon completion of coring, insert a dedicated 2" Schedule 40 PVC well to the bottom of the corehole and purge the amount of water used to core the 10 foot interval from the well (the well is dedicated to MW-6 and no packer will be used above the screen for this purging).

c. Remove the 2" well from the corehole and insert a smaller diameter Schedule 40 PVC well to the bottom of the corehole (this well should have a 5 feet long screen and be equipped with an inflatable packer above the screen).

d. Inflate the packer and purge one volume of water in the well above the packered interval and three 10-foot corehole volumes from the well (use Nitrogen gas to inflate the packer). Monitor pH, Eh, temperature, and specific conductivity periodically during purging.

e. After three 10-foot corehole intervals have been removed and the parameters indicated above have stabilized, collect a groundwater sample and submit it to Don Moran for analysis.

f. Deflate the packer, remove the well, from the corehole and continue coring.

5. Pick up of decon/purge water will be arranged through City Environmental, Inc. Pickups should be arranged 2 days ahead of time by calling Laura Andrea at her office; (616)454-4679, or on her car phone; (616)450-1089. I will assist in coordinating the first few pickups since they will be occurring frequently over the next week or so.

The purge/decon water will actually be picked up by EMANCO. It is mandatory that we have a manifest signed by a representative of the U.S. EPA to present to the truck driver for EACH load he picks up.

Drums used to hold overflow from the purge/decon water tanks can be emptied by the truck driver if he is told ahead of time (he may need to bring extra equipment for this). Also, it is my understanding that the typical truck sizes used for pickups is 3000 and 5000 gallons. Since our tanks hold approximately 3200 gallons, we could have them pickup 3000 gallons at a time usually.